

## U.S. DEPARTMENT OF ENERGY ~ NATIONAL SCIENCE BOWL®

### 2011 SCHEDULE OF EVENTS

41 Middle School Teams ~ 69 High School Teams

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#### THURSDAY, APRIL 28, 2011

*Welcome Teams and Coordinators!*

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|------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1:00-6:30 p.m.   | <b>Team Registration</b> <i>J.C. Penney Lobby</i>                                                                                   |
| 5:00-6:30 p.m.   | <b>Dinner</b> <i>Clover Café</i>                                                                                                    |
| 7:00-10:00 p.m.  | <b>Night Tour of the Monuments</b>                                                                                                  |
| 10:00-11:00 p.m. | <b>Refreshments</b> <i>Recreation Center</i>                                                                                        |
| 11:00 p.m.       | <b>Curfew for Teams &amp; all others</b> -all participants must be in their rooms (students, coaches, & coordinators)-Campus policy |

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#### FRIDAY, APRIL 29, 2011

*Museum Visits & Tours, Middle School Rules Review*

*High School Advanced Placement Test Review*

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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 6:30-8:15 a.m.  | <b>BREAKFAST</b> <i>Clover Café &amp; Ohio</i>                                                                                                  |
| 8:30-11:30 a.m. | <b>Hydrogen Fuel Cell Activity for all Middle School Teams</b> <i>Minnesota</i>                                                                 |
| 9:15 a.m.       | <b>High School Teams Depart for the National Mall</b>                                                                                           |
| 12:30 p.m.      | <b>Middle School Teams Depart for the National Mall</b>                                                                                         |
| 5:30-7:30 p.m.  | <b>DINNER</b> <i>Clover Café</i>                                                                                                                |
| 7:30-9:30 p.m.  | <b>AP Test Review Sessions</b>                                                                                                                  |
| 7:45-9:00 p.m.  | <b>Middle Car Event and Academic Rules Review</b> <i>Ohio</i>                                                                                   |
| 8:30-10:00 p.m. | <b>Refreshments</b> <i>Recreation Center</i>                                                                                                    |
| 10:00 p.m.      | <b>Curfew for Middle School Teams</b>                                                                                                           |
| Midnight        | <b>Curfew for High School Teams &amp; all others</b> -all participants must be in their rooms (students, coaches, & coordinators)-Campus policy |

**SATURDAY, APRIL 30, 2011**

***Middle School Academic Competition, High School Seminars,  
Division Team Challenges***

6:30-8:15 a.m.	<b>BREAKFAST</b> <i>Clover Café &amp; Ohio</i>
9:00-10:15 a.m.	<b>Saturday Science Day High School Plenary Session</b> <i>Aiton Auditorium</i>
9:30 a.m.	<b>Middle School Academic Tournament begins</b>
10:30 a.m.	<b>Saturday Science Day High School Seminar Session I</b>
11:30-1:30 p.m.	<b>Lunch for Teams and Volunteers</b>
1:15-2:30 p.m.	<b>Saturday Science Day High School Seminar Session II</b>
2:30-3:30 p.m.	<b>BREAK &amp; Refreshments</b> <i>Recreation Center</i>
3:30-4:45 p.m.	<b>Middle School Teams not in Double Elimination prepare hydrogen fuel cell cars for engineering design judging</b> <i>Minnesota</i>
3:30-5:30 p.m.	<b>High School Division Team Challenge Competition</b>
3:45 p.m.	<b>Middle School Double Elimination Competition begins</b>
4:45-6:30 p.m.	<b>DINNER</b> <i>Clover Café</i>
6:15-9:30 p.m.	<b>Middle School Teams eliminated in Double Elimination prepare hydrogen fuel cars for engineering design judging</b> <i>Minnesota</i>
7:00-8:30 p.m.	<b>Assembly for High School Teams: Rules Review</b> <i>Aiton Auditorium</i>
7:30-10:00 p.m.	<b>Middle School Engineering Design Document Interview and Judging &amp; Refreshments</b>
9:00-11:00 p.m.	<b>Refreshments</b> <i>Recreation Room</i>
9:00-11:00 p.m.	<b>Coaches &amp; Alumni Social</b> <i>Ohio</i>
10:00 p.m.	<b>Curfew for Middle School Teams</b>
12:00 p.m.	<b>Curfew for High School Teams</b> and all others-all participants must be in their rooms (students, coaches, & coordinators)-Campus policy

**SUNDAY, MAY 1, 2011**

***High School Academic Competition & Middle School Car Event***

- 6:30-8:30 a.m.      **Breakfast**   *Clover Cafe*
- 8:30-9:00 a.m.      **Interfaith Worship Service**   *Ohio*
- 10:00 a.m.          **High School Round Robin Matches begin**
- 11:00-5:30 p.m.      **Hydrogen Fuel Cell Event at Bethesda Chevy Chase High School**
- 12:00-1:00 p.m.      **Lunch for Teams & Volunteers**
- 1:00-3:00 p.m.      **Hydrogen Fuel Cell Event Time Trials**   *Main Gym*
- 3:20-4:20 p.m.      **Hydrogen Fuel Cell Event-Double Elimination Heats**
- 4:30-7:00 p.m.      **Dinner for Teams**   *Clover Cafe*
- 6:30 p.m.          **High School Double Elimination begins**
- 7:30-8:30 p.m.      **Middle School Assembly**   *Aiton Auditorium*
- 9:00-11:00 p.m.      **Refreshments for All**   *Clover Café*   Make your own Sundae
- 10:00 p.m.          **Curfew for Middle School Teams**
- 11:00 p.m.          **Curfew for High School Teams & All Others** -- all participants must be in their rooms (students, coaches & coordinators) -- Campus policy

**MONDAY, MAY 2, 2011**

- 6:00-7:00 a.m.      **Breakfast**
- 9:10 a.m.            **All Participants and Guests Assemble in Audience Chairs at the National Building Museum**
- 9:15 a.m.            **Master of Ceremony David Zahren Begins and Introduces Chase Rynd, Executive Director, National Building Museum**
- 9:30 a.m.            **Middle School Double Elimination Round Eight: Final Match**  
10:00 a.m.            **Middle School Double Elimination Round Nine: If necessary match**
- 10:40 a.m.            **High School Double Elimination Round Seven: Semi-Final Round**  
11:15 a.m.            **High School Double Elimination Round Eight: Final Round**  
11:50 a.m.            **High School Double Elimination Round Nine: If necessary match**
- 12:20                **- COMPETITION ENDS -**
- 12:25 p.m.            **David Zahren announces Division Team Challenge Awards** (no photo)  
The number-one ranked team from each of the eight high school divisions will receive \$500.00 for science equipment for their school (the teams will stand at their seats – not coming on stage)
- 12:35 p.m.            **David Zahren introduces, Dr. Bill Brinkman, Director of the Office of Science; Dr. Brinkman introduces the Secretary of Energy**
- 12:40 p.m.            **Keynote Speech:** Secretary Steven Chu, U.S. Secretary of Energy
- 1:00 p.m.            **Presentation of Awards**  
**Presentation of trophy to winning middle school team**  
The team will receive a trophy and a \$1000 check for science supplies. In addition each team member will receive a scientific calculator.  
  
**Presentation of trophy to winning high school team**  
The team will receive a trophy and a \$1000 check for science supplies. Each student, and the coach, will receive a science research award trip Australia.  
  
**Presentation of Appreciation to 20 and 10 year Regional Sites**  
**10-year Awardees:** NOBCCHE – San Diego, Redding Electric Company, WAPA Sacramento  
**20-year Awardees:** B&W Pantex, Bonneville Power Administration, DOE EM Consolidated Business Center, Kansas City Plant, National Energy Technology Laboratory – Morgantown, National Energy Technology Laboratory – Pittsburgh, Sandia National Laboratory (California)
- Middle School Awards:**

- 1) Presentation of plaques, trophies, and \$1,000 checks to remaining top eight schools in the academic competition. Fifth – eighth place teams receive a plaque and \$1000 for science supplies. Second – fourth place teams receive a trophy and \$1000 for science supplies.
- 2) Presentation of trophy to third place team in the Hydrogen Fuel Cell Car Race
- 3) Presentation of trophy to second place team in the Hydrogen Fuel Cell Car Race
- 4) Presentation of trophy and \$500 for science supplies to first place team in the Hydrogen Fuel Cell Car Race
- 5) Presentation of trophy and \$500 for science supplies to the winner of the Design Challenge in the Hydrogen Fuel Cell Car Event

**High School Awards:**

- 1) Presentation of plaques and \$1,000 for science supplies to twelve finalists in the Double Elimination tournament.
- 2) Presentation of trophy and \$1,000 for science supplies to the fourth place team
- 3) Presentation of trophy and \$1,000 for science supplies to the third place team; each student on the third place team will receive a \$500 scholarship from the United States Air Force
- 4) Presentation of trophy and \$1,000 for science supplies to the second place team; each student on the second place team will receive a \$750 scholarship from the United States Air Force

**Finale**

**Presentation of Middle School Science Bowl Civility Award**

**Presentation of High School Science Bowl Civility Award**

1:45 p.m.

**Teams Depart for Airports**